DEBUGGING METHODS FOR HEAP MISUSE

ABSTRACT OF THE DISCLOSURE

The present invention generally provides a method, apparatus and article of manufacture for debugging computer programs. Debugging computer programs is aided by monitoring allocations and deallocations of memory space. The resulting information can be processed to return meaningful data to a user including, for example, a hexadecimal view of memory distinguishing allocated memory from free memory, the allocation/deallocation history of a memory space, a relationship between an allocator and a deallocator, whether a user-established relationship between an allocator and a deallocator was violated, whether a user-established memory limit was exceeded, and the like.